

ABSTRACT

A combinatorial library comprising a predetermined collection of nucleoside peptide molecules for inhibiting the transfer of a sugar from a selected sugar nucleotide donor to a selected acceptor by a carbohydrate processing enzyme. The nucleoside peptide molecule comprises (a) a nucleoside monomer, (b) a spacer monomer coupled to the nucleoside monomer wherein the spacer monomer comprises one or more amide linked amino acid residues, or a peptidomimetic; and (c) cap monomers attached to the spacer monomer. The nucleoside peptide molecules differ from each other as to the identity of at least one element of the nucleoside monomer, spacer monomer, or cap monomer.

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